OR10G2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OR10G2, Polyclonal Antibody
Full Product Name	OR10G2, NT (OR10G2, Olfactory receptor 10G2) (MaxLight 550)
Product Gene Name	anti-OR10G2 antibody
Product Synonym Names	OR10G2; Olfactory receptor 10G2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34,472 Da
Chromosome Location	Chromosome: 14; NC_000014.8 (22102066..22102998, complement). Location: 14q11.2
3D Structure	ModBase 3D Structure for Q8NGC3
Immunogen	OR10G2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 75-103 amino acids from the N-terminal region of human OR10G2.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-OR10G2 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR10G2 antibody	Western Blot (WB), FLISA
Application Notes for anti-OR10G2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OR10G2 antibody	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms.
Product References and Citations for anti-OR10G2 antibody	Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004). Boysen, C., et al. Genome Res. 7(4):330-338(1997). Koop, B.F., et al. Genomics 19(3):478-493(1994).

Other Notes	Small volumes of anti-OR10G2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OR10G2 purchase	MBS6327927 is an antibody targeting OR10G2. Also known as OR10G2, NT (OR10G2, Olfactory receptor 10G2) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR10G2. It may not necessarily be applicable to this product.

NCBI GI #	53793663
NCBI GeneID	26534
NCBI Accession #	NP_001005466.1
UniProt Primary Accession #	Q8NGC3
UniProt Secondary Accession #	B2RPD0
UniProt Related Accession #	Q8NGC3
GenBank Nucleotide #	NM_001005466.1
NCBI Official Full Name	olfactory receptor 10G2
NCBI Official Synonym Full Names	olfactory receptor, family 10, subfamily G, member 2
NCBI Official Symbol	OR10G2
NCBI Official Synonym Symbols	OR14-41
UniProt Protein Name	Olfactory receptor 10G2
Protein Family	Olfactory receptor
UniProt Gene Name	OR10G2
UniProt Entry Name	O10G2_HUMAN
NCBI Protein Information	olfactory receptor 10G2; olfactory receptor OR14-41 pseudogene
UniProt Comments for OR10G2	OR10G2: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 14q11.2 Cellular Component: plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; olfactory receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; detection of chemical stimulus involved in sensory perception of smell
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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